

FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

503.30414V27

SERIAL NO.

09/167834

APPLICANT

KATO, et al.

FILING DATE

January 24, 2001

GROUP

3149

1582 U.S. PTO
09/167834
01/24/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PAW	3 6 5 2 4 4 4	2-72	Lester, et al.			
PAW	3 9 8 1 7 9 1	9-76	Rosvold			
PAW	4 2 2 6 8 9 7	10-80	Coleman			
PAW	4 3 1 1 4 2 7	1-82	Coad, et al.			
PAW	4 3 1 3 8 1 5	2-82	Graves, Jr. et al.			
PAW	4 4 4 9 8 8 5	5-84	Hertel, et al.			
PAW	4 4 5 7 6 6 1	7-84	Flint, et al.			
PAW	4 5 3 4 3 1 4	8-85	Ackley			
PAW	4 5 6 3 2 4 0	1-86	Shibata, et al.			
PAW	4 6 3 4 3 3 1	1-87	Hertel			
PAW	4 7 0 5 9 5 1	11-87	Layman, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PAW	6 2 8 9 8 8 1	4-87	Japan			X	
PAW	6 2 2 0 7 8 6 6	9-87	Japan			X	
PAW	1 3 1 9 7 0	2-89	Japan			X	
PAW	1 3 1 9 7 1	2-89	Japan			X	
PAW	6 3 6 5 8 2	1-89	Japan			X	
PAW	1 1 3 5 0 1 5	5-89	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan./Feb. 1977, pages 278-280.
PAW	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment", front, table, page 183, back, Nov. 20, 1987.
PAW	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/ translation).

EXAMINER

J. Wilson

DATE CONSIDERED

10/19/01

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PAW	4 7 1 5 7 6 4	12-87	Hutchinson			
PAW	4 8 5 1 1 0 1	7-89	Hutchinson			
PAW	4 8 3 6 7 3 3	6-89	Hertel, et al.			
PAW	4 8 3 6 9 0 5	6-89	Davis, et al.			
PAW	4 8 9 5 1 0 7	1-90	Yano, et al.			
PAW	4 9 0 2 9 3 4	2-90	Miyamura, et al.			
PAW	4 9 0 3 9 3 7	2-90	Jakuniec, et al.			
PAW	4 9 0 9 6 9 5	3-90	Hurwitt, et al.			
PAW	4 9 1 1 5 9 7	3-90	Maydan, et al.			
PAW	4 9 1 5 5 6 4	4-90	Error, et al.			
PAW	4 9 1 7 5 5 6	4-90	Stark, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PAW	2 6 5 2 5 2	3-90	Japan			X	
PAW	6 4 1 2 0 3 7	1-89	Japan			X	
PAW	2 6 1 0 6 4	3-90	Japan				X
PAW	1 3 1 0 5 5 3	12-89	Japan				X
PAW	1 2 5 1 7 3 4	10-89	Japan				X
PAW	6 2 4 4 5 7 1	2-87	Japan				X

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PAW	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
PAW	5 2 9 2 3 9 3	3-94	Maydan, et al.			
PAW	5 4 5 2 1 6 6	9-95	Aylwin, et al.			
PAW	5 5 0 4 0 3 3	4-96	Bajor, et al.			
PAW	5 5 0 4 3 4 7	4-96	Jovanovic, et al.			
PAW	5 5 5 6 7 1 4	9-96	Fukuyama, et al.			
PAW	5 6 5 1 8 5 8	7-97	Lin			
PAW	5 6 7 5 4 6 1	10-97	Aylwin, et al.			
PAW	4 3 1 3 7 8 3	2-82	Davies, et al.			
PAW	4 3 1 8 7 6 7	3-82	Hijikata, et al.			
PAW	4 9 6 9 7 9 0	11-90	Petz, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
PAW		6	2	5	0	4	6	3	3-87	Japan	_____			X
PAW		2	1	0	6	0	3	7	4-90	Japan	_____			X
PAW		5	7	2	9	5	7	7	2-82	Japan	_____	_____		X
PAW	6	3	1	5	3	2	7	0	6-88	Japan	_____	_____	x	

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PAW	4 9 2 4 8 9 0	5-90	Giles, et al.	134	902	
PAW	4 9 3 6 3 2 9	6-90	Michael, et al.	134	902	
PAW	5 0 1 4 2 1 7	5-91	Savage	364	550	
PAW	5 0 0 7 9 8 1	4-91	Kawasaki, et al.			
PAW	4 1 3 8 3 0 6	2-79	Niwa	156	345	
PAW	4 5 7 6 6 9 8	3-86	Gallagher, et al.	204	192	
PAW	5 0 1 4 2 1 7	5-91	Savage	364	498	
PAW	5 3 5 1 4 1 5	10-94	Brooks, et al.	34	389	
PAW	4 6 4 3 6 2 9	2-87	Takahashi, et al.	414	331	
PAW	4 8 2 4 3 0 9	4-89	Takehi, et al.	414	217	
PAW	4 9 5 1 6 0 1	8-90	Maydan, et al.	414	217X	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PAW	2 0 3 8 1 3 3 8	5-90	Europe				
PAW	6 4 1 2 0 3 7	1-89	Japan				
PAW	4 3 0 5 4 9	4-92	Japan				
PAW	8 7 0 7 3 0 9	5-87	PCT Int'l Appl.				
PAW	2 9 4 6 4 7	4-90	Japan				
PAW	6 0 2 4 6 6 3 5	12-85	Japan				

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PAW	5 5 0 9 7 7 1	4-96	Hiroki	414	217	
PAW	5 4 6 2 3 9 7	10-95	Iwabuchi	414	222	
PAW	5 6 8 5 6 8 4	11-97	Kato, et al.	414	217	
PAW	4 9 2 3 5 8 4	5-90	Bramhall, Jr., et al.			
PAW	5 4 3 6 8 4 8	7-95	Nishida, et al.			

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						YES	NO
PAW	1 2 9 8 1 8 0	12-89	Japan				
PAW	2 0 2 4 6 4 5 3	4-87	Europe				
PAW	2 6 5 2 5 2	3-90	Japan				

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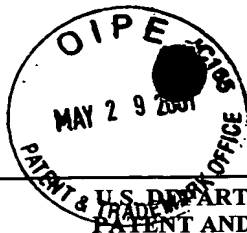
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	APPLICANT KATO ET AL.	
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Abstract	
						Yes	No
PAW	AM	63-133521	06/28/88	Japan		x	
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	
	AV	
	AW	
	AX	
	AY	
	AZ	
Examiner	<i>P. Wilson</i>	Date Considered 10/19/01